

Aleksandar MarinkoviÄ

List of Publications by Year in descending order

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97
papers

1,195
citations

430754

18
h-index

454834

30
g-index

97
all docs

97
docs citations

97
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of the As(V) and Sr(VI) from the water using magnetite/3D-printed wollastonite hybrid adsorbent. <i>Science of Sintering</i> , 2022, 54, 105-124.	0.5	3
2	In vitro evaluation of antioxidative activities of the extracts of petals of <i>Paeonia lactiflora</i> and <i>Calendula officinalis</i> incorporated in the new forms of biobased carriers. <i>Food and Feed Research</i> , 2022, , 13-13.	0.2	3
3	Investigating possibilities for synthesis of novel sorbents and catalyst carriers based on ceramics with controlled open porosity. <i>Hemijska Industrija</i> , 2022, 76, 87-95.	0.3	0
4	Tailored Adhesion Properties of Acrylate Adhesives on Al Alloys by the Addition of Mn-Alâ€“LDH. <i>Polymers</i> , 2021, 13, 1525.	2.0	2
5	Development of protease nanobiocatalysts and their application in hydrolysis of sunflower meal protein isolate. <i>International Journal of Food Science and Technology</i> , 2021, 56, 4287-4297.	1.3	3
6	Evaluation of adsorption performance and quantum chemical modeling of pesticides removal using Cell-MG hybrid adsorbent. <i>Science of Sintering</i> , 2021, 53, 355-378.	0.5	4
7	A green approach to starch modification by solvent-free method with betaine hydrochloride. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1962-1971.	3.6	6
8	Enhanced Interface Adhesion by Novel Eco-Epoxy Adhesives Based on the Modified Tannic Acid on Al and CFRP Adherends. <i>Polymers</i> , 2020, 12, 1541.	2.0	10
9	Amino-modified kraft lignin microspheres as a support for enzyme immobilization. <i>RSC Advances</i> , 2020, 10, 21495-21508.	1.7	13
10	Immobilization of laccase from <i>Myceliophthora thermophila</i> on functionalized silica nanoparticles: Optimization and application in lindane degradation. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1136-1144.	1.7	33
11	Photolysis of insecticide methomyl in various solvents: An experimental and theoretical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112366.	2.0	7
12	Origins of Polycyclic Aromatic Hydrocarbons in Sediments from the Danube and Sava Rivers and Their Tributaries in Serbia. <i>Polish Journal of Environmental Studies</i> , 2020, 29, 2101-2110.	0.6	15
13	THIN-LAYER CHROMATOGRAPHY ON REVERSED PHASE IN THE CHARACTERIZATION OF RETENTION BEHAVIOUR, LIPOPHILICITY, AND PHARMACOKINETICS OF CYANOACETAMIDE DERIVATIVES. <i>Journal of the Chilean Chemical Society</i> , 2020, 65, 4654-4660.	0.5	3
14	Preparation and properties of hydrogen peroxide oxidized starch for industrial use. <i>Hemijska Industrija</i> , 2020, 74, 25-36.	0.3	7
15	A survey on the characterization and biological activity of isatin derivatives. <i>Journal of the Serbian Chemical Society</i> , 2020, 85, 979-1000.	0.4	2
16	An experimental study of mechanical properties and heat transfer of acrylic composites with structural and surface modified Al ₂ O ₃ particles. <i>Science of Sintering</i> , 2020, 52, 457-467.	0.5	2
17	A study of photocatalytic degradation of methomyl and its commercial product Lannate-90. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2020, 26, 237-247.	0.4	2
18	The influence of alumina particle modification on the adhesion of the polyacrylate matrix composite films and the metal substrate. <i>Composite Interfaces</i> , 2019, 26, 417-430.	1.3	9

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19	Effect of surface activation of alumina particles on the performances of thermosetting-based composite materials. <i>Journal of Composite Materials</i> , 2019, 53, 2727-2742.	1.2	12
20	Effects of oxidized/treated non-metallic fillers obtained from waste printed circuit boards on mechanical properties and shrinkage of unsaturated polyester-based composites. <i>Polymer Composites</i> , 2019, 40, 1170-1186.	2.3	15
21	Arsenic removal by magnetite-loaded amino modified nano/microcellulose adsorbents: Effect of functionalization and media size. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4675-4693.	2.3	64
22	Photocatalytic degradation of carbamate insecticides: Effect of different parameters. <i>Pesticidi i Fitomedicina = Pesticides and Phytomedicine</i> , 2019, 34, 193-200.	0.1	3
23	Photocatalytic degradation of bisphenol a with Fe_2O_3 fibers and particles. <i>Science of Sintering</i> , 2019, 51, 265-276.	0.5	2
24	The removal of Zn^{2+} , Pb^{2+} , and As(V) ions by lime activated fly ash and valorization of the exhausted adsorbent. <i>Waste Management</i> , 2018, 78, 366-378.	3.7	40
25	Optimization of Al_2O_3 particle modification and UHMWPE fiber oxidation of EVA based hybrid composites: Compatibility, morphological and mechanical properties. <i>Composites Part B: Engineering</i> , 2018, 153, 36-48.	5.9	29
26	Efficient multistep arsenate removal onto magnetite modified fly ash. <i>Journal of Environmental Management</i> , 2018, 224, 263-276.	3.8	31
27	Improvement of cavitation resistance of composite films using functionalized alumina particles. <i>Hemijska Industrija</i> , 2018, 72, 205-213.	0.3	12
28	Experimental and theoretical study on solvent and substituent effects on the intramolecular charge transfer in 3-[(4-substituted)phenylamino]isobenzofuran-1(3H)-ones. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 139-155.	0.4	5
29	Improving the packaging performance of low-density polyethylene with PCL/nanocellulose/copper(II)oxide barrier layer. <i>Science of Sintering</i> , 2018, 50, 149-161.	0.5	3
30	Influence of temperature and different hydroxides on properties of activated carbon prepared from saccharose. Characterization, thermal degradation kinetic and dyes removal from water solutions. <i>Science of Sintering</i> , 2018, 50, 255-273.	0.5	3
31	Innovative environmentally friendly technology for copper(II) hydroxide production. <i>Hemijska Industrija</i> , 2018, 72, 363-370.	0.3	0
32	$\text{Co}(\text{III})$ complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. <i>Dalton Transactions</i> , 2017, 46, 2910-2924.	1.6	29
33	New composites based on waste PET and non-metallic fraction from waste printed circuit boards: Mechanical and thermal properties. <i>Composites Part B: Engineering</i> , 2017, 127, 1-14.	5.9	41
34	The photocatalytic degradation of carbofuran and Furadan 35-ST: the influence of inert ingredients. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13808-13822.	2.7	14
35	Influence of different pore-forming agents on wollastonite microstructures and adsorption capacities. <i>Ceramics International</i> , 2017, 43, 7461-7468.	2.3	21
36	Optimization of Active Carbonaceous Material Obtained by Low Hydrothermal Carbonization of Plane Tree Seed with H_3PO_4 . <i>Journal of Nano Research</i> , 2017, 48, 71-84.	0.8	0

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37	Synthesis, antioxidant and antimicrobial activity of carbohydrazones. Journal of the Serbian Chemical Society, 2017, 82, 495-508.	0.4	16
38	Removal of heavy metals from water using multistage functionalized multiwall carbon nanotubes. Journal of the Serbian Chemical Society, 2017, 82, 1175-1191.	0.4	13
39	Formation of porous wollastonite-based ceramics after sintering with yeast as the pore-forming agent. Science of Sintering, 2017, 49, 235-246.	0.5	4
40	Epoxy-silanization tool for improvement of silica nanoparticles as support for lipase immobilization with respect to esterification activity. Journal of Chemical Technology and Biotechnology, 2016, 91, 2654-2663.	1.6	12
41	Co(III) complex with (E)-2-(2-(pyridine-2-ylmethylene)hydrazinyl)-4-(4-tolyl)-1,3-thiazole: structure and activity against 2-D and 3-D cancer cell models. Journal of Coordination Chemistry, 2016, 69, 3354-3366.	0.8	17
42	Novel β -galactosidase nanobiocatalyst systems for application in the synthesis of bioactive galactosides. RSC Advances, 2016, 6, 97216-97225.	1.7	24
43	Ni(II) complex with bishydrazone ligand: synthesis, characterization, DNA binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines. RSC Advances, 2016, 6, 108726-108740.	1.7	16
44	Quinoline based mono- and bis-(thio)carbohydrazones: synthesis, anticancer activity in 2D and 3D cancer and cancer stem cell models. RSC Advances, 2016, 6, 104763-104781.	1.7	19
45	Cyanuric chloride functionalized silica nanoparticles for covalent immobilization of lipase. Journal of Chemical Technology and Biotechnology, 2016, 91, 439-448.	1.6	21
46	Simple one-pot synthesis of thioureas from amine, carbon disulfide and oxidants in water. Journal of the Serbian Chemical Society, 2016, 81, 219-231.	0.4	7
47	A study of the barrier properties of polyethylene coated with a nanocellulose/magnetite composite film. Journal of the Serbian Chemical Society, 2016, 81, 589-605.	0.4	8
48	Solvatochromism of isatin based Schiff bases: An LSER and LFER study. Journal of the Serbian Chemical Society, 2016, 81, 979-997.	0.4	8
49	Efficient pollutants removal by amino-modified nanocellulose impregnated with iron oxide. Journal of the Serbian Chemical Society, 2016, 81, 1199-1213.	0.4	22
50	Solvent and structural effects in tautomeric 2(6)-hydroxy-4-methyl-6(2)-oxo-1-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 575-585.	2.0	3
51	Efficient arsenic removal by cross-linked macroporous polymer impregnated with hydrous iron oxide: Material performance. Chemical Engineering Journal, 2015, 279, 66-78.	6.6	48
52	Zn(II) complex with 2-quinolinecarboxaldehyde selenosemicarbazone: synthesis, structure, interaction studies with DNA/HSA, molecular docking and caspase-8 and -9 independent apoptosis induction. RSC Advances, 2015, 5, 95191-95211.	1.7	31
53	Synthesis, structure and solvatochromic properties of some novel 5-aryloxy-6-hydroxy-4-(4-methoxyphenyl)-3-cyano-2-pyridone dyes: Hydrazone-azo tautomeric analysis. Arabian Journal of Chemistry, 2015, 8, 269-278.	2.3	27
54	Optimization of the synthesis of N-alkyl and N,N-dialkyl thioureas from waste water containing ammonium thiocyanate. Chemical Industry and Chemical Engineering Quarterly, 2015, 21, 501-510.	0.4	4

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55	A microwave approach to the synthesis of certain 4-substituted phenyl-6-phenyl-3-cyano-2-pyridones. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 759-765.	0.4	7
56	Linear Free-Energy Relationships Applied to the ¹³ C NMR Chemical Shifts in 4-Substituted N-(1-(Pyridine-3-yl)ethylidene)anilines. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1442-1451.	1.4	1
57	Solvent and structural effects in tautomeric 3-cyano-4-(substituted phenyl)-6-phenyl-2(1H)-pyridones: experimental and quantum chemical study. <i>Structural Chemistry</i> , 2014, 25, 1257-1270.	1.0	8
58	Immunomodulatory effects of carbon nanotubes functionalized with a Toll-like receptor 7 agonist on human dendritic cells. <i>Carbon</i> , 2014, 67, 273-287.	5.4	20
59	Palladium(II) Complexes with N-Heteroaromatic Bidentate Hydrazone Ligands: The Effect of the Chelate Ring Size and Lipophilicity on in vitro Cytotoxic Activity. <i>Chemical Biology and Drug Design</i> , 2014, 84, 333-341.	1.5	14
60	Microwave assisted synthesis of 2-pyridone and 2-pyridone based compounds. <i>Hemijaska Industrija</i> , 2014, 68, 1-14.	0.3	10
61	Azo-hydrazone tautomerism of aryl azo pyridone dyes. <i>Hemijaska Industrija</i> , 2013, 67, 1-15.	0.3	4
62	The effects of solvents and structure on the electronic absorption spectra of the isomeric pyridine carboxylic acid N-oxides. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2013, 19, 385-388.	0.4	1
63	Substituent effect on IR, 1H and 13C NMR spectral data in n-(substituted phenyl)-2-cyanoacetamides: A correlation study. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2013, 19, 67-78.	0.4	8
64	The influence of the size and surface modification of TiO2 nanoparticles on the rheological properties of alkyd resin. <i>Hemijaska Industrija</i> , 2013, 67, 923-932.	0.3	3
65	Mechanical properties of composites based on unsaturated polyester resins obtained by chemical recycling of poly(ethylene terephthalate). <i>Hemijaska Industrija</i> , 2013, 67, 913-922.	0.3	12
66	Separation and determination of dimethylarsenate in natural waters. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 775-788.	0.4	5
67	The substituent effects on the 13c chemical shifts of the azomethine carbon atom of n-(phenyl) Tj ETQq1 1 0.784314 rgBT / Qverlock 0,4 2	0.4	2
68	A study of photocatalytic degradation of textile dye CI basic yellow 28 in water using P160 TiO2 based catalyst. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1747-1757.	0.4	15
69	The comparative study of linear solvation energy relationship for the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1311-1338.	0.4	4
70	Processing and nanomechanical properties of chitosan/polyethylene oxide blend films. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1723-1733.	0.4	10
71	Synthesis of tetraalkyl thiuram disulfides using different oxidants in recycling solvent mixture. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012, 18, 73-81.	0.4	8
72	Substituent and solvent effects on intramolecular charge transfer of 5-arylidene-2,4-thiazolidinediones. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 500-507.	2.0	16

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73	Immobilization of enzymes onto carbon nanotubes. <i>Hemijska Industrija</i> , 2011, 65, 423-430.	0.3	4
74	Correlation analysis of IR, ¹ H and ¹³ C NMR spectral data of N-alkyl and N-cycloalkyl cyanoacetamides. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 307-314.	0.4	2
75	PMMA-Y2O3 (Eu ³⁺) nanocomposites: Optical and mechanical properties. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 1153-1161.	0.4	15
76	Synthesis of azo pyridone dyes. <i>Hemijska Industrija</i> , 2011, 65, 517-532.	0.3	13
77	Comparative analysis of oxidative synthesis of N-alkyl, N,N-dialkyl and N-cykloalkyl-O-isobutyl thioncarbamate. <i>Hemijska Industrija</i> , 2011, 65, 541-549.	0.3	2
78	Synthesis, characterization and biological activities of N-heteroaromatic hydrazones and their complexes with Pd(II), Pt(II) and Cd(II). <i>Transition Metal Chemistry</i> , 2010, 35, 765-772.	0.7	12
79	EI/MS/MS spectra of N-monosubstituted cyanoacetamides. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 387-397.	0.4	1
80	Synthesis, structure and solvatochromic properties of 5-(3- and 4-substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (phenylazo)	0.4	8
81	New method for synthesis of N-alkyl and N,N-dialkyl-O-ethyl and O-isopropylthiocarbamates by oxidation of ammonium salt of xantogenic acid. <i>Hemijska Industrija</i> , 2010, 64, 401-409.	0.3	3
82	Synthesis and characterization of phencyclidine and his derivatives. <i>Hemijska Industrija</i> , 2010, 64, 389-400.	0.3	0
83	ESI-MS spectra of 3-cyano-4-(substituted phenyl)-6-phenyl-2(1H)-pyridinones. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 223-235.	0.4	1
84	A new ecologically friendly process for the synthesis of selective flotation reagents. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2009, 15, 257-262.	0.4	4
85	Effects of solvent and structure on the reactivity of 6-substituted nicotinic acids with diazodiphenylmethane in aprotic solvents. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 1359-1370.	0.4	1
86	Synthesis, characterization and cytotoxicity of surface amino-functionalized water-dispersible multi-walled carbon nanotubes. <i>Applied Surface Science</i> , 2009, 255, 8067-8075.	3.1	150
87	¹³ C- and ¹ H-NMR substituent-induced chemical shifts in N(1)-(4-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (phe	0.4	4
88	The optimization of zinc dialkyldithiocarbamates synthesis and determination of their antioxidant activity. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2008, 14, 251-255.	0.4	2
89	Substituent and structural effects on the kinetics of the reaction of N-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (phe Chemical Society, 2007, 72, 1191-1200.	0.4	4
90	Investigation of the reactivity of 4-pyrimidinecarboxylic, 6-hydroxy-4-pyrimidinecarboxylic and 5-hydroxyorotic acids with diazodiphenylmethane in various alcohols: Part III. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 205-214.	0.4	2

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91	Kinetic study of the reaction between sodium chloroacetate and potassium ethylxanthogenate. Journal of the Serbian Chemical Society, 2007, 72, 89-100.	0.4	2
92	Synthesis of N-Substituted 4,6-Dimethyl-3-cyano-2-pyridones Under Microwave Irradiation. Synthetic Communications, 2006, 36, 193-198.	1.1	54
93	Synthesis of N- and N,N-dialkyl-S-alkylthiolcarbamates by the rearrangement of N- and N,N-dialkyl-O-thioncarbamates. Hemijska Industrija, 2006, 60, 27-32.	0.3	6
94	Investigations of the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents: Part II: Pyridine mono-carboxylic acid N-oxides. Journal of the Serbian Chemical Society, 2006, 71, 89-101.	0.4	3
95	Investigations of the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents, Part I: Pyridine mono-carboxylic acids. Journal of the Serbian Chemical Society, 2005, 70, 557-567.	0.4	3
96	Kinetics of the reaction of 5-substituted orotic acids with diazodiphenylmethane. Journal of the Serbian Chemical Society, 2004, 69, 949-953.	0.4	2
97	The kinetics of the reactions of 2-substituted nicotinic acids with diazodiphenylmethane in various alcohols. Journal of the Serbian Chemical Society, 2003, 68, 515-524.	0.4	1